

Rapid LVO vs Viz LVO in the largest head-to-head consecutive code stroke comparison

Rapid LVO accurately detected 33% more LVO-positive cases than Viz LVO



	RapidAl	Viz
LVO Positive (Sensitivity)	98%	74%
LVO Negative (Specificity)	94%	91%

Study Design Rapid LVO vs. Viz LVO

- 1,591 consecutive case retrospective study
- Expert adjudicated CTA and CTP
- Evaluating LVO (ICA,M1) and high-grade stenosis
- Excluded poor bolus, metal artifact, hemorrhage



Hospital Overview HCA Good Samaritan Hospital

- Comprehensive Stroke Center
- 800 code strokes/yr
- 92% DTT <45 min</p>

THE **Takeaway**

RapidAl outperformed Viz in LVO-positive and LVO-negative case detection. The substantial number of LVOs missed by the Viz software could lead to delays in LVO diagnosis and treatment times.

Comprehensive summary



Accurate detection of LVOs supports improvement in diagnosis and treatment decisions

Operational

Al-driven support can expedite, or limit the speed of code stroke workflows



Financial

36 more LVOs detected = \$385K in projected procedure revenue

RapidAl.com

SACHDEV, ET AL. ABSTRACT ACCEPTED TO ISC 2025